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TITLE: STATOR OF MOLDED MOTOR AND ITS MANUFACTURE

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ABSTRACT:

PROBLEM TO BE SOLVED: To obtain a molded motor with a low noise and vibration, by forming an electrically insulating elastic body layer to thereby surround the entire surface of its stator core, wherefore the opposite inner peripheral surface thereof to its rotor is excluded.

SOLUTION: The entire surface of a stator core 2 wherefrom its inner peripheral surface 7 opposed to a rotor 6 is excluded is surrounded by an electrically insulating elastic body layer 5. Then, applying a stator winding 1 to the stator core 2 covered with the elastic body layer 5, the stator winding 1 is coated with a varnish to harden the stator winding 1. Subsequently, a synthetic resin material is so formed as to surround the stator winding 1, the stator core 2, the elastic body layer 5, and housings 4 for inserting thereinto the bearings of the spindle of the rotor 6 and form a frame 3, thereby, preventing the vibration produced in the stator core 2 from transferring directly to the

frame 3 and easily manufacturing housings 4, the stator of a
molded motor with
a low vibration and noise.

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